| Bisphosphonate | R1 | R2 |
|---------------------------|-----------------|--|
| Etidronate (EHDP) | ОН | CH ₃ |
| Pamidronate (APD) | ОН | CH ₂ -CH ₂ -NH ₂ |
| Olpadronate (OPD) | ОН | CH ₂ -CH ₂ -N CH ₃ |
| NH2-olpadronate (NH2-OPD) | NH ₂ | CH ₂ -CH ₂ -N CH ₃ |

Figure 1

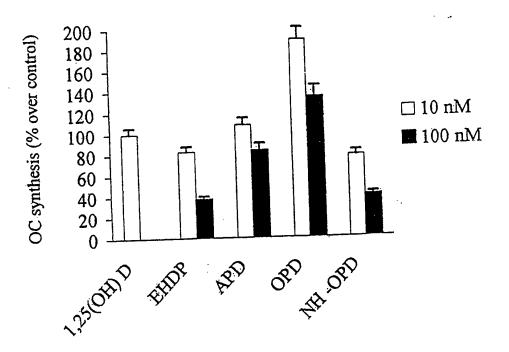


Figure 2

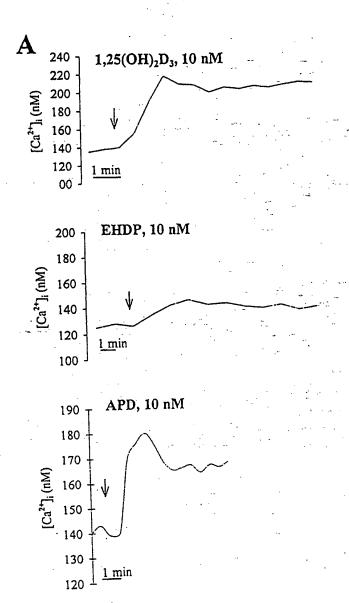
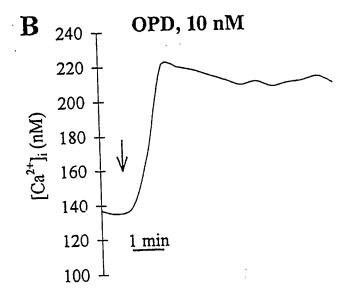


Figure 3



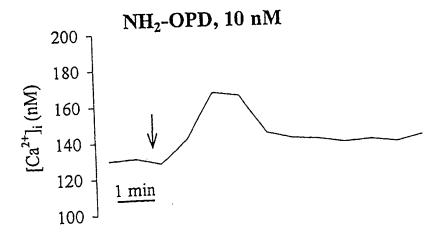


Figure 3 (cont'd)

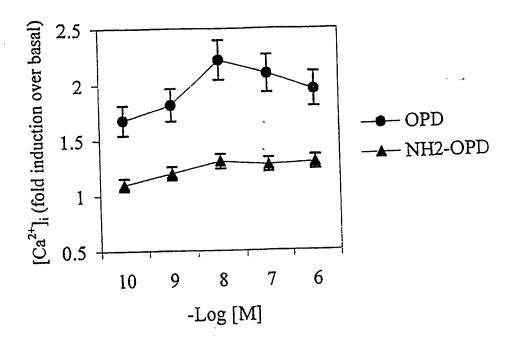
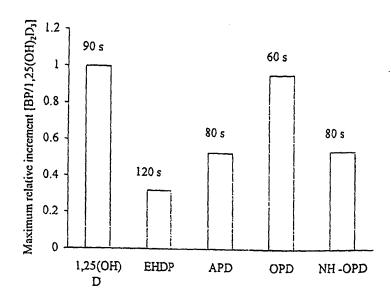


Figure 4

6/7

A





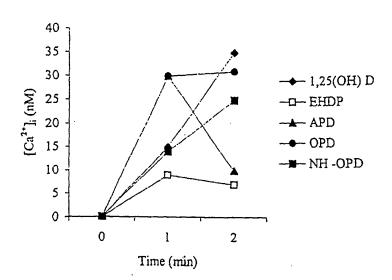


Figure 5

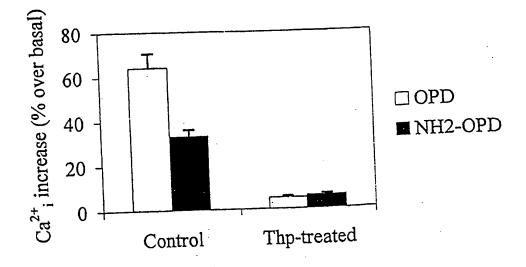


Figure 6